Flight-Testing Newton's Laws									
2006 Science and Technology/Engineering Curriculum Frameworks Massachusetts Science and Technology/Engineering									
						Grades 9-12			
						Activity/Lesson	State	Standards	
		SCI.9-	Interpret and apply Newton's three laws of						
Session-1 (1-17)	MA	12.P.I.1.A.1.4	motion.						
			Interpret and provide examples that linear						
			momentum is the product of mass and velocity						
			and is always conserved (law of conservation of						
		SCI.9-	momentum). Calculate the momentum of an						
Session-1 (1-17)	MA	12.P.I.2.A.2.5	object.						
		SCI.9-	Interpret and apply Newton's three laws of						
Session-2 (1-10)	MA	12.P.I.1.A.1.4	motion.						
		SCI.9-	Interpret and apply Newton's three laws of						
Session-3 (1-6)	MA	12.P.I.1.A.1.4	motion.						
			Interpret and provide examples that linear						
			momentum is the product of mass and velocity						
		SCI.9-	and is always conserved (law of conservation of						
Cooriem 2 (4 C)	N 4 A		momentum). Calculate the momentum of an						
Session-3 (1-6)	MA	12.P.I.2.A.2.5	object. Interpret and provide examples that linear						
			momentum is the product of mass and velocity						
		SCI.9-	and is always conserved (law of conservation of momentum). Calculate the momentum of an						
Section 4 (1 11)	MA	12.P.I.2.A.2.5	object.						
Session-4 (1-11)	IVIA	SCI.9-	Interpret and apply Newton's three laws of						
Session-5 (1-6)	MA	12.P.I.1.A.1.4	motion.						
36331011-3 (1-0)	IVIA	12.1.1.1.7.1.4	Interpret and provide examples that linear						
			momentum is the product of mass and velocity						
			and is always conserved (law of conservation of						
		SCI.9-	momentum). Calculate the momentum of an						
Session-5 (1-6)	MA	12.P.I.2.A.2.5	object.						
	1777	12.11 11.12.17 11.2.10	Create and interpret graphs of 1-dimensional						
			motion, such as position vs. time, distance vs.						
			time, speed vs. time, velocity vs. time, and						
		SCI.9-	acceleration vs. time where acceleration is						
Session-6 (1-8)	MA	12.P.I.1.A.1.3	constant.						
,		SCI.9-	Interpret and apply Newton's three laws of						
Session-6 (1-8)	MA	12.P.I.1.A.1.4	motion.						
, ,			Interpret and provide examples that linear						
			momentum is the product of mass and velocity						
			and is always conserved (law of conservation of						
		SCI.9-	momentum). Calculate the momentum of an						
Session-6 (1-8)	MA	12.P.I.2.A.2.5	object.						
		SCI.9-	Interpret and apply Newton's three laws of						
Session-7 (1-5)	MA	12.P.I.1.A.1.4	motion.						
			Interpret and provide examples that linear						
			momentum is the product of mass and velocity						
			and is always conserved (law of conservation of						
		SCI.9-	momentum). Calculate the momentum of an						
Session-7 (1-5)	MA	12.P.I.2.A.2.5	object.						

		SCI.9-	Interpret and apply Newton's three laws of
Session-8 (1-9)	MA	12.P.I.1.A.1.4	motion.
		SCI.9-	Interpret and provide examples that linear momentum is the product of mass and velocity and is always conserved (law of conservation of momentum). Calculate the momentum of an
Session-8 (1-9)	MA	12.P.I.2.A.2.5	object.
		SCI.9-	Interpret and apply Newton's three laws of
Session-9 (1-7)	MA	12.P.I.1.A.1.4	motion.
		SCI.9-	Interpret and provide examples that linear momentum is the product of mass and velocity and is always conserved (law of conservation of momentum). Calculate the momentum of an
Session-9 (1-7)	MA	12.P.I.2.A.2.5	object.